

**TOWN OF ARLINGTON  
MASSACHUSETTS**

**BID #12-42**

**INVITATION FOR BID**

Scaled bids, pursuant to the Uniform Procurement Act, Ch. 30B, are invited and will be received by the Town Manager, Town of Arlington, Massachusetts, until **10:00 A.M. Thursday, October 11, 2012** at the office of the Purchasing Director, 730 Massachusetts Avenue, Arlington, Massachusetts, at which time and place they will be publicly opened and read for furnishing:

**ELECTRIC ICE RESURFACER**

Bids received after this time will not be accepted. Specifications and Proposal Forms may be obtained at the Office of the Purchasing Director, 730 Massachusetts Avenue, Arlington, MA, 02476. The bid may be viewed and downloaded from the Town website, [www.arlingtonma.gov/purchasing](http://www.arlingtonma.gov/purchasing).

Proposal must be submitted on forms provided and in a sealed envelope plainly marked:

**BID #12-42 ELECTRIC ICE RESURFACER**

For further information please contact Domenic R. Lanzillotti, Purchasing Officer @ 781-316-3003.

The Town Manager reserves the right to cancel any Invitation for Bid and/or reject in whole or in part and all bids, when it is deemed in the best interest of the Town to do so.

Town of Arlington

Adam W. Chapdelaine  
Town Manager

September 26, 2012

## PROPOSAL SHEET

**BID: #12-42 ELECTRIC ICE RESURFACER**  
**BID OPENING: OCTOBER 11, 2012, 10:00 A.M.**

Adam Chapdelaine  
Town Manager  
Arlington, MA 02476

We, the undersigned, agree to furnish and deliver the following, to the Town of Arlington, Massachusetts, in accordance with the Invitation for Bid and Specifications attached.

### ONE (1) – ELECTRIC ICE RESURFACER

MAKE \_\_\_\_\_

MODEL \_\_\_\_\_

YEAR \_\_\_\_\_

\*Submit Descriptive Literature with your submission

DELIVERY DATE \_\_\_\_\_

DELIVERED PRICE: \$ \_\_\_\_\_

DELIVERED PRICE IN WORDS: \_\_\_\_\_

COMPANY NAME \_\_\_\_\_

SIGNED BY (COMPANY OFFICIAL) \_\_\_\_\_  
NAME TITLE

ADDRESS \_\_\_\_\_

DATE \_\_\_\_\_

TEL. NO. \_\_\_\_\_

FAX NO. \_\_\_\_\_

## CERTIFICATE OF NON-COLLUSION

The undersigned certifies under penalties of perjury that this bid or proposal has been made and submitted in good faith and without collusion or fraud with any other person. As used in this certification, the word "person" shall mean any natural person, business, partnership, corporation, union, committee, club or other organization, entity, or group of individuals.

\_\_\_\_\_  
(Signature of individual submitting bid or proposal)

\_\_\_\_\_  
(Name of individual submitting bid or proposal)

\_\_\_\_\_  
Name of Business

\_\_\_\_\_  
Date

\_\_\_\_\_  
Pursuant to M.G.L. Chapter 62C, Section 49A, I certify under the penalties of perjury that I have complied with all laws of the commonwealth relating to taxes, reporting of employees and contractors, and withholding and remitting child support.

\_\_\_\_\_  
Social Security Number or  
Federal Identification Number

\_\_\_\_\_  
Signature of Individual or Responsible  
Corporate Officer and Title

**NON-COLLUSION FORMS  
MUST BE SIGNED AND  
SUBMITTED WITH BID**

## **SPECIFICATIONS OF ELECTRIC ICE RESURFACER**

### **A. General**

It is the intent of these specifications to describe an electric ice resurfacer that will be used by the Department's ice arena personnel. This unit will be used to plane an ice surface, pick up and store snow, wash and squeegee ice surface, distribute water for freezing sheet of ice, and dumping snow from storage tank.

### **B. Vehicle Power**

Battery package of lead acid 510 AMP Hour 80 volt DC. Charger shall be ferroresonant, microprocessor controlled with 80 volt output.

### **C. Chassis**

Chassis shall be equipped with four (4) wheel drive and front wheel steering. Steering control shall be by an automobile-type steering wheel.

### **D. Vehicle Drive**

Machine shall have a traction drive motor directly mounted to a transfer case. Drive motor shall be a minimum 15 horse power, with vehicle speed range of 0-12 MPH. Machine speed control shall be through a foot operated device.

### **E. Electric Controls**

Machine shall have electronic controls with full diagnostic capabilities and dash display.

### **F. Axles**

Axle loading shall be fully approved by the original equipment manufacturer for the application and minimum capabilities of axles shall be:

- Front 6,400 lbs.
- Rear 6,200 lbs.

### **G. Brakes**

Machine shall have front disc brakes, rear drum brakes, and a parking brake.

#### **H. Hydraulic Systems**

Machine shall include an auxiliary hydraulic pump that powers the machine's hydraulic system. Pump will be driven by a separate motor.

#### **I. Shaving and Conditioning Unit**

Machine shall be equipped with a 77 inch maximum shaving blade. Blade holding apparatus shall secure the blade so that the ends are tapered upward approximately 1/16 inch to ensure a feather edge effect under normal shaving conditions. Shaving apparatus shall include a spring loaded down pressure system that provides constant downward force on the shaving blade. The blade height and angle adjustment shall be made from outside of the shaving unit and accomplished in a single, easy to accomplish procedure.

#### **J. Snow Conveyer**

Snow shall be collected and carried from the surface of the ice by means of a conveyor system which throws the snow into the dump tank by a high capacity slinger of approximately 16 inches in diameter. All conveyor augers shall have a minimum diameter of 10 inches and shall be double flighted.

#### **K. Snow Dump Tank**

Snow collection tank shall dump forward from a minimum height of 48 inches. Dump tank shall be enclosed and actual volume provided for snow shavings shall be no less than 100 cubic feet. Dump tank shall have the capacity to hold a minimum of 110 gallons of water, of which can be dumped at a location away from the ice surface.

#### **L. Water Storage**

Ice making water tank shall have the ability to contain a minimum of 200 gallons of water and shall be made of high density polyethylene. Ice making water tank shall have passenger side, or right side, water filling capabilities. Wash water tank shall have the ability to contain a minimum of 82 gallons of water, and shall also be fitted to fill the tank from the right side of the machine.

#### **M. Tires**

Tires shall be LT245/85 R16 steel belted radial tires with double shoulder tungsten tip studs for traction.

**N. Guide Wheel**

Roller shall be attached to the left front of the machine to protect both the machine and the dasher board system in the rink corners. Roller shall be made of non-marking material.

**O. Optional Equipment**

The machine will be equipped with the following optional features:

1. Back Up Alarm
2. Board Brush
3. Washer Water System with Poly Tank

**P. Paint**

Machine shall be painted in the color of choice by the owner, **Red & White**, in compliance with manufacturer's colors.

**Q. Additional Items**

1. One spare tire and wheel.
2. One hydraulic jack for raising unit.
3. One spare shaving blade.
4. One set miscellaneous tools as may be required for servicing unit.
5. One pint touch up paint (each color).
6. One water pump impeller.

**R. Labels and Warnings**

Equipment shall comply with the American National Standards (ANSI Z 35.1) and National Safety Council recommended practices for signs and warnings.

**S. Training**

Supplier shall furnish training and instruction on safe operation of ice resurfacing unit, emphasizing resurfacing function and machine controls.

**T. Guarantee**

The resurfacers shall carry a two-year or 2,000 hour warranty on all parts. The supplier shall hold the Town of Arlington, MA free and harmless from any patent infringements suits arising out of the purchase of this resurfacing unit.

NOTE: The City reserves the right to accept, or reject any combination of the base bid and alternates which staff determines to be in the best interest of the City.

**U. References**

The bidder shall furnish the names of 10 locations where the unit bid are presently in operation. Along with the names of the locations, bidder shall furnish complete addresses, telephone numbers and contact persons. Bidders failing to furnish this information may be disqualified.